

DES	RF	DRAWN BY RF	DART AEROSPACE LTD HAWKESBURY, ONTARIO, CANADA
СН	ECKED //	APPROVED #	DRAWING NO. REV. B
	-#	#	DSI 9300 SHEET 1 OF 6
DAT	Έ		TITLE SCALE
05	5.08.12		SIMPLEX TANK STEP NTS
Α		05.05.05	NEW ISSUE
В		05.08.12	ADD STRUTS IF TANK REMOVED

DART SERVICE INSTRUCTION

TO AMEND INSTALLATION INSTRUCTIONS IIN-D205-633 REV. A

REF. CANADIAN STC: SH96-57

REF. FAA STC: SR00592NY, SR00593NY, SR00594NY

THE PURPOSE OF THIS SERVICE INSTRUCTION IS TO ADD THE D205-633-021/-022/-023/-024/-025/-026 STEPS TO ADDRESS COMPATABILITY WITH THE SIMPLEX MODEL 304 FIRE ATTACK TANK. D205-633-021/-022 ARE IDENTICAL TO D205-633-011, EXCEPT AS SHOWN HERE. D205-633-023/-024 ARE IDENTICAL TO D205-633-013, EXCEPT AS SHOWN HERE. D205-633-025/-026 ARE IDENTICAL TO D205-633-015, EXCEPT AS SHOWN HERE.

NOTE THAT THE STRUTS REQUIRED TO INSTALL THE STEPS ON THE LOWER AFT HARDPOINT HAVE ALSO BEEN INCLUDED WITH THE KITS IN CASE THE TANK IS REMOVED FOR ANY REASON. THESE STRUTS SHOUD BE INSTALLED I.A.W. IIN-D205-633, EXCEPT REPLACE EYEBOLT WITH AN4 BOLT ON LOWER HARDPOINT. ALSO NOTE THAT IF THE THREADS PROTRUDE THROUGH THE BAR ON THE D3437-XXX STRUT ASSEMBLIES AFTER ADJUSTMENT THEY MAY BE TRIMMED OFF.

WEIGHT AND BALANCE

		LAT	ERAL	LONGITUDINAL	
Installation	Weight	Arm	Moment	Arm	Moment
D205-633-021	14.0 lb	-50.0 in	-700 in lb	94.5 in	1323 in lb
HELI-ACCESS-STEP™	6.35 kg	-1.27 m	-8.06 m kg	2.40 m	15.24 m kg
D205-633-022	13.2 lb	+50.0 in	+660 in lb	94.5 in	1247 in lb
HELI-ACCESS-STEP™	6.00 kg	+1.27 m	+7.62 m kg	2.40 m	14.40 m kg
D205-633-023	14.3 lb	-50.0 in	-715 in lb	94.5 in	1351 in lb
HELI-ACCESS-STEP™	6.50 kg	-1.27 m	-8.26 m kg	2.40 m	15.6 m kg
D205-633-024	13.5 lb	+50.0 in	+675 in lb	94.5 in	1276 in lb
HELI-ACCESS-STEP™	6.14 kg	+1.27 m	+7.80 m kg	2.40 m	14.74 m kg
D205-633-025	14.6 lb	-50.0 in	-730 in-lb	94.5 in	1380 in-lb
HELI-ACCESS-STEP™	6.64 kg	-1.27 m	-8.43 m-kg	2.40 m	15.94 m-kg
D205-633-026	13.8 lb	+50.0 in	+690 in-lb	94.5 in	1304 in-lb
HELI-ACCESS-STEP™	6.27 kg	+1.27 m	+7.96 m-kg	2.40 m	15.05 m-kg

CANADA
DEPARTMENT OF TRANSPORT
AIRCRAFT CERTIFICATION
BRANCH
DAO # 01-O-01

APPROVED

D. SHEPHERD (DE # 02)

DATE: CERT. NO.: ISSUE NO.: 05.08.12 SH96-57 #5



 DESIGN RF	DRAWN BY	DART AEROSPACE LTD HAWKESBURY, ONTARIO, CANADA	
CHECKED M	APPROVED M	DRAWING NO.	REV. E
#	-#	DSI 9300 SHEET	2 OF 6
DATE		TITLE	SCALE
05.08.12		SIMPLEX TANK STEP	NTS

PARTS LIST

PARTS LIST								
QTY -021	QTY -022	QTY -023	QTY -024	QTY -025	QTY -026	Part Number	Description	
Х						D205-633-021	Heli-Access-Step™ (LI	H). High Gear
	Х					D205-633-022	Heli-Access-Step™ (RI	
		Х				D205-633-023		H), Extended High Gear (31")
		^	Х			D205-633-024		
			^					H), Extended High Gear (31")
				X		D205-633-025		H), Extended High Gear (39")
				-	Х	D205-633-026	Heli-Access-Step™ (Ri	H), Extended High Gear (39")
4	4	4	4	4	4	D2022-101	SPACER	
2	2	2	2	2	2	D2022-103	SPACER	
	<u> </u>			1	1	D2562-005	STRUT	
1	1					D2562-011	STRUT	
		1	1			D2562-013	STRUT	
11		1		1		D2563	WELDMENT ASSEMBL	Υ
				*1	*1	D3165-1	STRUT	
1	1					D2565-101	STRUT	
1	1					D2565-103	STRUT	
1	1					D2565-105	STRUT	
1	1					D2565-107	STRUT	
1	1					D2565-109	STRUT	
*1	*1		- A			D2565-111	STRUT	
		1	1			D2565-201	STRUT	
		1	1			D2565-203	STRUT	
		1	1			D2565-205	STRUT	
		1	1			D2565-207	STRUT	**
		1	1			D2565-209	STRUT	
		*1	*1			D2565-211	STRUT	
				1	1	D2565-301	STRUT	
				1	1	D2565-303	STRUT	
7207 14 1 1 1 1 1 7				1	1	D2565-305	STRUT	
				1	1	D2565-307	STRUT	
				1	1	D2565-309	STRUT	
1	1					D3437-041	AFT STRUT ASSEMBLY	(
		1	1			D3437-043	AFT STRUT ASSEMBLY	
				1	1	D3437-045	AFT STRUT ASSEMBLY	
	1		1	-	1	D3438-042	WELDMENT ASSEMBLY	
1	1	1	1	1	1	AN4-5A	BOLT	
4	4	3	3	3	3	AN4-6A	BOLT	CANADA
1	1	1	1	1	1	AN4-7A	BOLT	DEPARTMENT OF TRANSPORT
1	1			- '		AN4-11A	BOLT	AIRCRAFT CERTIFICATION
'		1	1	1	1			BRANCH DAO # 01-O-01
1	1	1	1	1	1	AN4-12A AN4-14A	BOLT	DAO # 01-0-01
1	1	1	1	1	1	AN44-7A	EYEBOLT	APPROVED
1	1	1	1	1	1			
16	16	14	14			AN5-14A	BOLT	BY: BY
3	3	3	3	14 3	14 3	AN960JD416	WASHER	D. SHEPHERD (DE # 02)
8	8	7		7		AN960JD516	WASHER	
	2		7		7	MS21042L4	NUT (or MS21042-4)	DATE: 05.08.12
2	2	2	2	2	2	MS21042L5	NUT (or MS21042-5)	CERT. NO.: <u>SH96-57</u> ISSUE NO.: #5
						are to the facilities	2.55	ISSUE NO.: #5

* ONLY INSTALLED IF TANK IS REMOVED



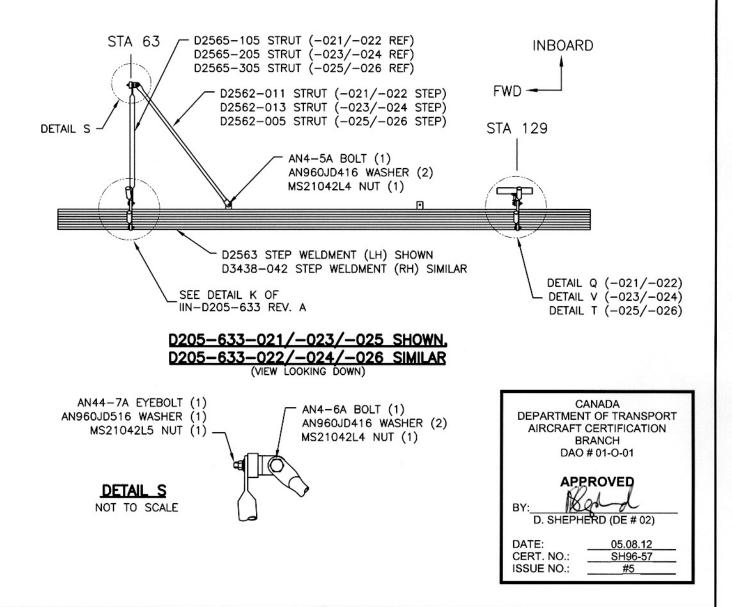
DESIGN RF	DRAWN BY RF	DART AEROSPACE LTD HAWKESBURY, ONTARIO, CANADA	
CHECKED	APPROVED	DRAWING NO.	REV. B
M	1	DSI 9300	3 OF 6
DATE	•	TITLE	SCALE
05.08.12		SIMPLEX TANK STEP KIT	NTS

INSTALLATION OF D205-633-021/-022/-023/-024/-025/-026

INSTALL D205-633-021/-022 AS PER THE D205-633-011 STEP OF INSTALLATION INSTRUCTIONS IIN-D205-633 REV.A, EXCEPT REPLACE D2565-111 STRUT WITH THE D3437-041 AFT STRUT ASS'Y, REMOVE D2562-001 STRUT, INSTALL D2562-011 STRUT AS SHOWN.

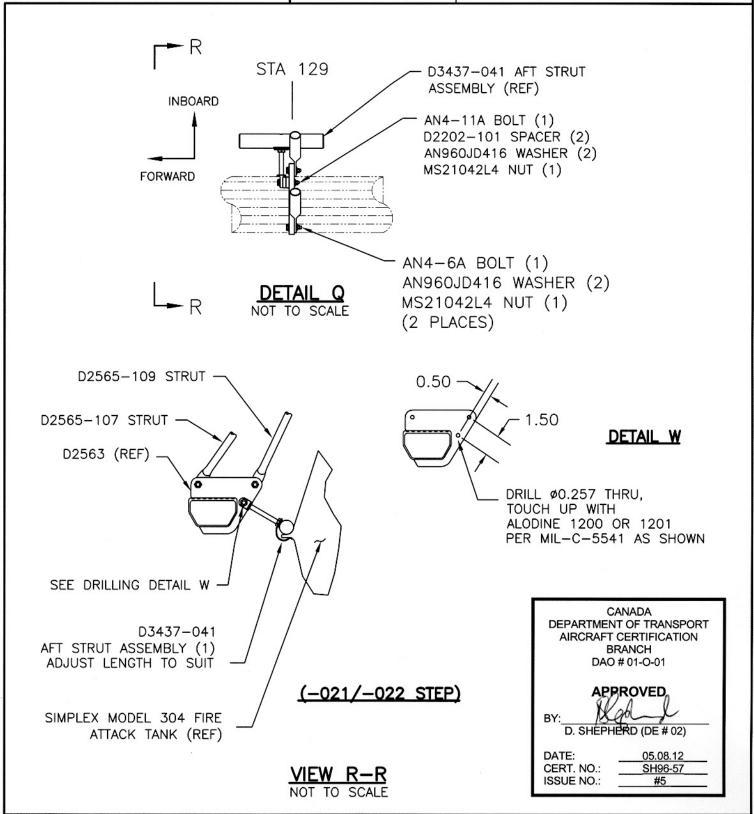
INSTALL D205-633-023/-024 AS PER THE D205-633-013 STEP OF INSTALLATION INSTRUCTIONS IIN-D205-633 REV.A, EXCEPT REPLACE D2565-211 STRUT WITH THE D3437-043 AFT STRUT ASS'Y, REMOVE D2562-003 STRUT, INSTALL D2562-013 STRUT AS SHOWN.

INSTALL D205-633-025/-026 AS PER THE D205-633-015 STEP OF INSTALLATION INSTRUCTIONS IIN-D205-633 REV.A, EXCEPT REPLACE D3165-1 SUPPORT ARM WITH THE D3437-045 AFT STRUT ASS'Y AS SHOWN.





DESIGN RF	DRAWN BY RF	DART AEROSP HAWKESBURY, ONTAR	
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DATE		TITLE	SCALE
05.08.12		SIMPLEX TANK STEP	NTS

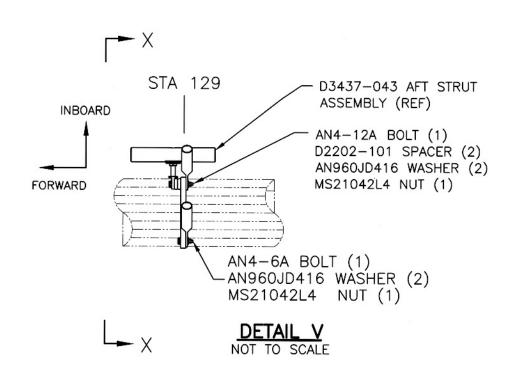


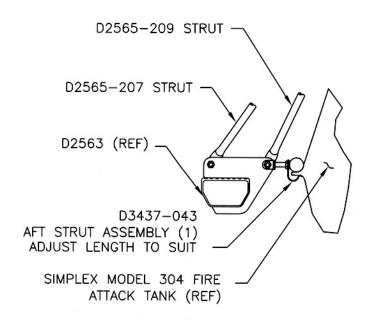
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DESIGN RF	DRAWN BY RF	DART AEROSPA HAWKESBURY, ONTARIO	
CHECKED	APPROVED	DRAWING NO.	REV. B
Alt	1 SA	DSI 9300	SHEET 5 OF 6
DATE		TITLE	SCALE
05.08.12		SIMPLEX TANK STEP	NTS





(-023/-024 STEP)

CANADA
DEPARTMENT OF TRANSPORT
AIRCRAFT CERTIFICATION
BRANCH
DAO # 01-0-01

APPROVED

BY:

D. SHEPHERD (DE # 02)

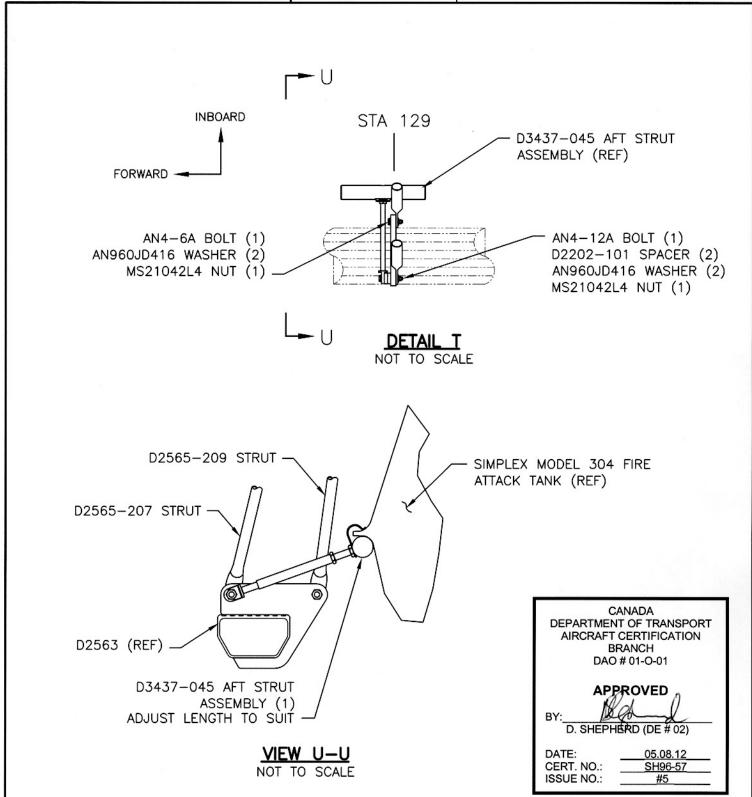
DATE:
CERT. NO.:
SH96-57
ISSUE NO.:
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DESIGN RF	DRAWN BY RF	DART AEROSP HAWKESBURY, ONTAR	
CHECKED ALL	APPROVED ,//	DRAWING NO.	REV. B
th	the	DSI 9300	SHEET 6 OF 6
DATE		TITLE	SCALE
05.08.12		SIMPLEX TANK STEP	NTS



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